

# Delivery: VTT Hinted Amstelvar Roman & Italic

<https://github.com/TypeNetwork/Amstelvar/tree/master/sources/VTTHintingSource>

*Project Details*

*September - October 2020*

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# Amstelvar Roman & Italic Hinting Report

## **\*Hinting checked and fine tuned for all glyphs**

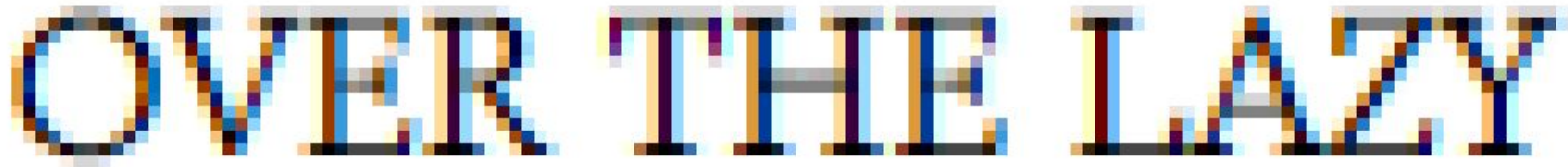
Control Value Table Heights, set for all glyphs, *ensuring consistent height display on screen.*  
Heights coordinated across Roman and Italic.

*Cvt Variation table edits completed where variations in heights exist in outlines.*

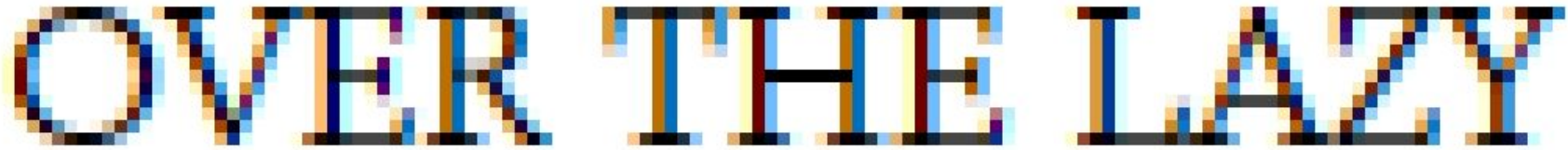
- Removed extraneous hinting code (Shift and interpolate code)
- Corrected Autohinter output to ensure efficient code
- All composites have correct y-positioning code. (all accents made to be at least 1 pixel clear of base glyphs)
- **Custom code written for all composites to ensure correct heights for variations.**
- Hinting follows an open philosophy, keeping glyph display open clear and readable from 9ppem > (no clashing of elements at small sizes (i j dots clear, all accents clear and readable. all main accents hinted to be at least 2 pixels in height)
- GASP table set to use Hinting and smoothing at 9ppem and greater / *Made equal for Roman and Italic*
- All tables compiled and saved with no errors or warnings reported in VTT.
- MAXP compiled and saved
- Proofed all variations in VTT / Waterfall Proofs (Run through Variations) range of sizes from 9-32ppem / Character Set Proof (Run through Variations) range of sizes from 9-32ppem / Proofed as above with VTT set to Higher Resolution

*\*Working set of hints, ready to be merged into final Variable font design.*

# Blur Reduction

The image shows the text "OVER THE LAZY" in a variable font at 14px. The horizontal strokes of the letters are noticeably blurry and lack sharp edges, while the vertical strokes appear more defined.

**Top** Un-hinted Amstelvar Variable font, Example size, 14px, Horizontals appear blurry, when scaled and rendered on-screen

The image shows the same text "OVER THE LAZY" in the same variable font at 14px, but with VTT hinting applied. The horizontal strokes are now sharp and aligned to a grid, making the text much clearer and more legible on screen.

**Bottom:** VTT Hinting Amstelvar Variable font

**Example size, 14px** Hinted key alignment strokes to align to grid, resulting in clear readable text on-screen.

Horizontals and alignment zones are kept sharp.

# Glyphs kept open

VTT Hinting fine control

**No Hinting** Amstelvar Bold Variation

Dots clashing on lowercase i in Bold



**VTT Hinting** Amstelvar Roman

Space maintained between base glyph for all weights.



Example: 9ppem to 23ppem



# Accent Hinting

## VTT Hinting fine control

**No Hinting** Amstelvar Roman →

Blurry Horizontal strokes, clashing accents and poor accent display

**VTT Hinting** Amstelvar Roman →

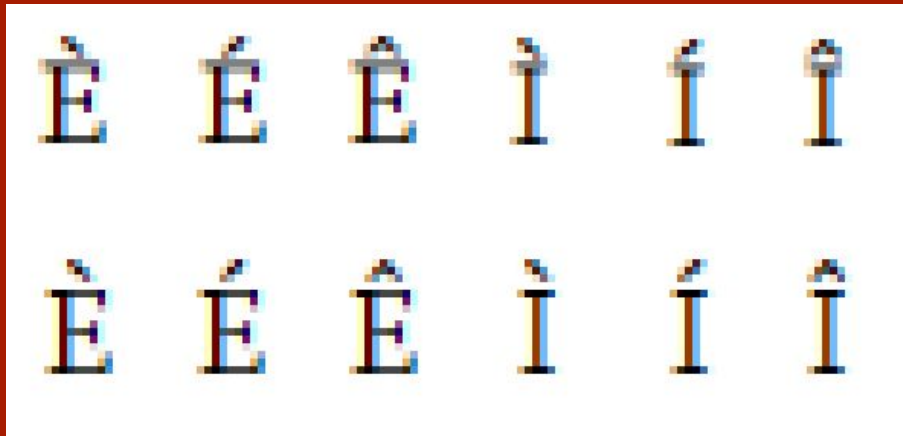
Fine control for important details. Accents are made to be readable and clear at all sizes.

Accents hinted once, to be a minimum of two pixels in height for all variations,

Maintain minimum distance between base glyphs and accents ensuring readable text across all variations

Example: 11 point @ 96dpi.

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# Height Control

## VTT Hinting fine control

Screen Heights coordinated across family, Amstelvar Roman and Italic.

*Example Shown here Caps 9 - 20px*

THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG

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# Clear Display VTT Hinting fine control

Complex glyphs show clearly.

Example shown, currency symbols Amstelvar Italic 10 - 16px

**Left:** Unhinted **Right:** Hinted

The image displays a comparison of currency symbols (€, £, ¥, ₪, ₩, ₮, ₹) in the Amstelvar Italic font at sizes 10pt through 16pt. Each row shows the unhinted version on the left and the hinted version on the right. The hinted versions are noticeably sharper and more legible, especially at smaller sizes.

Size	Unhinted	Hinted
10pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
11pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
12pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
13pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
14pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
15pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹
16pt	€ £ ¥ ₪ ₩ ₮ ₹	€ £ ¥ ₪ ₩ ₮ ₹